

TRITON & ATLAS

 INFINITI

Rugged, Mobile Surveillance Cameras



The Triton and Atlas are rugged, all-weather portable turn-key PTZ camera systems featuring an impressive 30X HD day/night zoom camera with both wide-angle and long-range imaging capabilities. Integrated IR LED or ZLID illumination allows nighttime performance from 50m up to 750m in complete darkness.

All of this comes in a rugged aluminum weather-ready enclosure, making the Triton and Atlas cameras an excellent choice for marine and vehicle deployments for police, navy, militaries and more around the world.

Key Features:

- › 2 Megapixel Progressive Scan 1/2.8" CMOS Day/Night Sensor
- › 30X Optical Zoom 4.5-135mm HD IR-Corrected Continuous Zoom Lens
- › Optical Field of View From 67.8° to 2.4°
- › User-Defined WDR, HLC, BLC, AWB, Dehaze/Defog via Web Client
- › Integrated Active IR LED Illumination for 50m/150m of Night Vision or optional ZLID Illumination for up to 750m of Night Vision
- › Micro-Step Technology for Quick Pan/Tilt with an Accuracy of 0.05°
- › Rugged Mobile-Ready Design with Optional Magnetic Mount System
- › Military Connector Supplies Video, Power and Telemetry Over a Single Cable
- › Rugged IP66/67 and -40° to +65°C Camera System

Optional Features:

- › Magnetic Mount
- › Vibration Mount
- › ZLID Illumination
- › GPS & 4G Cellular Transmission
- › Integrated Internal Storage
- › Nano Coating for Viewing Window

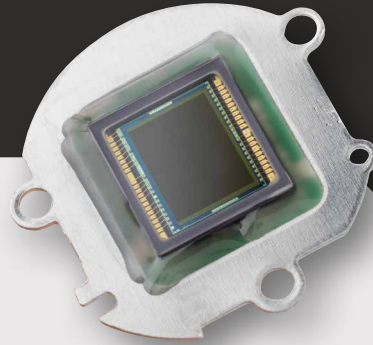


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THE ATLAS & TRITON'S Visible Optical HD Camera



Visible Optical Camera

The optical camera has been designed and optimized for long-range surveillance. It uses a 1/2.8" progressive scan CMOS sensor with an HD resolution of 1920x1080 and a signal to noise ratio over 55dB. The 1/2.8" sensor has excellent spectral sensitivity for both visible and NIR wavelengths and features an automatic IR cut filter, making it a true day/night camera providing clear color images by day and black and white images at night. The 1/2.8" sensor provides an excellent balance between light sensitivity and maximum zoom, making it particularly suited for long range surveillance. Also integrated is the latest technology in real-time image processing such as BLC, HLC, WDR, EIS, 3D DNR, Defog/Haze, etc. All of these settings can be changed and configured remotely, along with remote pan, tilt and zoom control.



Approximate FOV at 1km

Based on an average SUV length of 5.25m, at maximum zoom it would occupy the following percentage of the screen width at these specified distances.

6% of screen width at 2km



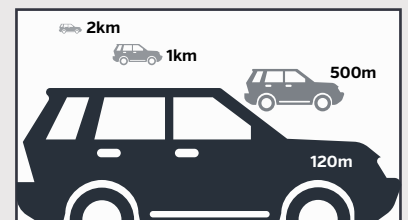
12% of screen width at 1km



25% of screen width at 500m



100% of screen width at 120m



Versatile 30X Zoom Lens

The cameras are equipped with a precision engineered 4.5-135mm telephoto IR-corrected zoom lens offering continuous zoom from a wide 67.8° angle through to a narrow 2.4° field of view. The 1/2.8" sensor paired with the 135mm lens renders a field-of-view roughly equivalent to a full-frame (35mm) DSLR camera with a 900mm lens. Infiniti's zoom optics are built with the highest quality Japanese fluorite ELD low dispersion glass, and the integrated rapid auto focus allows long range recognition and identification of targets without operator intervention. Infiniti's HD Zoom camera is a perfect synergy between precision craftsmanship, state of the art sensor hardware and the latest image processing for unparalleled range and performance.

IR LED or ZLID Night Vision

The Triton's IR LEDs provide up to 50m (160ft) of IR illumination, while the Atlas's IR LED arrays provide up to 150m (500ft) of IR illumination, and for further nighttime illumination a 300m, 500m or 750m ZLID illuminator can be specified. The ZLID illumination uses integrated optical collimators that shape the IR light to eliminate hot spots and washouts, resulting in a more consistent and even illumination. An EPC (Electronic Photocell Control) automatically activates the IRs in low light, ensuring 24/7 day night imaging even in complete darkness. If required, The Atlas can also be customized with military grade 940nm stealth IR that eliminates the red glow typically present with IR illumination for more covert surveillance and reconnaissance.



THE ATLAS & TRITON'S Other Features



Rugged Military
Connector Cable

Pan-Tilt Resolver

The heavy-duty PTZ drivers are designed for robust performance in demanding applications. They feature endless 360° panning and micro-step technology for precise pan and tilt positioning with speeds of 0.05°–80°/sec. Additional features, such as presets and tours, are compatible with most existing equipment by means of Pelco-D and Pelco-P protocols with optional absolute positioning.

ONVIF IP PTZ Solution

These cameras can be operated by an intuitive, user friendly interface with multiple control options such as a touch screen and mouse. It can also be controlled by a 3-axis joystick via Pelco-D and is simple to operate without prior training.

The Atlas and Triton are IP network video camera systems that utilize the latest ONVIF Profile S protocol, allowing the video to be distributed over wired, wireless and cellular networks. ONVIF ensures integration with the widest range of NVRs, VMSs and video storage devices. IP allows for real time control and configuration of the cameras from anywhere in the world.

View all of your cameras remotely in real-time from anywhere in the world on a PC using Infiniti's VMS or web client, or on your mobile device with our iPhone or Android apps. In many security applications remote performance can be limited by cellular or satellite bandwidth. To combat this, Infiniti equips our IP PTZs with dual streaming technology. This allows an HD video stream to be used for local recording, while a lower resolution stream is used for remote viewing. H.264 and H.265 Ultrastream smart codecs allow for precise bitrate management to minimize throughput and recording requirements and work within the limitations of the network.

Designed for Mobile

The Triton and Atlas are designed for mobile applications and can be mounted upright or inverted. The Triton includes a magnetic mount for quick and easy mounting on vehicles, and the Atlas can be optionally configured with a magnetic mount as well. It also can be built into a Rapid Deployment Kit (RDK) that includes, power, wireless networking, recording, display and tripod to create a complete integrated surveillance solution. These cameras are designed to be the ultimate mobile solution for marine, military, and law enforcement, and can be used both autonomously as well as part of a larger solution.

OPTIONAL ACCESSORIES:



PTZ Controller



Mobile NVR with GPS



Vibration
Mount



Magnetic
Mount

TRITON/ATLAS Specifications



Camera Assembly	TRITON Specifications	ATLAS Specifications
Image Sensor	1/2.8" Progressive Scan CMOS	
Resolution	1920x1080 Full HD	
Iris	Auto/Manual: f1.6-f4.4	
Minimum Illumination (at f1.6)	Color: 0.005 Lux / B&W: 0 Lux (IR on)	
Shutter Speed	Auto/Manual: 1 - 1/30,000 Sec	
Lens	4.5-135mm HD Continuous Zoom Lens	
Field of View	67.8°-2.4° Horizontal FOV	
Zoom	30X Optical	
Focus Mode	Auto/Manual	
Day/Night	IR Cut filter with auto switch (ICR)	
IR Illumination		
IR Distance	50m	150m IR LED; Optional 300m, 500m or 750m ZLID
IR Wavelength	808nm	808nm; Optional 940nm Stealth on 500m or 750m
IR Angle	Adjusts with zoom level	
Communication & Presets		
Video Compression	H.264/H.265 with optional smart codecs / MJPEG	
Video Streaming	Triple Streams	
Presets	Up to 255 presets, 6 preset tours	
Patterns	Up to 4 patterns, less than 10 minutes	
Serial Control	RS485, Pelco-P/D Standard	
Ethernet	ONVIF Profile -S / Infiniti IP Protocol	
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, QoS, HTTPS, IPv6	
Pan/Tilt		
Drive Unit	Integrated Micro-Step Resolver	
Pan Angle & Speed	360° Continuous, up to 80°/sec	
Tilt Angle & Speed	-25° to +90°, up to 60°/sec	-25° to +40°, up to 60°/sec
Preset Accuracy	0.05°	
Power Loss Recovery	Supported	
Physical		
Construction	High Strength Aluminum Alloy (optional anti-corrosive coating)	
Weight	2.6kg (standard model)	6.6kg
Dimensions	150mm x 150mm x 212mm (standard model)	194mm x 194mm x 318mm
Environmental		
Operational Temperature	-40°C to +65°C, <90% RH	
Environmental	IP66	IP67
Electrical		
Input Voltage	DC 12V	DC 12V-24V
Surge Protection	TVS 4000V Lightning Protection, Surge Protection, Voltage Transient Protection	
Power Consumption	20W	36W

*Specifications subject to change.

Optional Features: Magnetic Mount, Vibration Mount, 4G Cellular Transmission, Battery Backup, HDX or SDI Output (SDI requires high quantity order), ZLID Illumination (on Atlas), Gyro Stabilization (on Atlas)